Author Index

Adragna, N.C.: Cation Transport in Vascular Endothelial Cells and Aging . . . 285
Antonenko, Y.N., Kinnally, K.W., Tedeschi, H.: Identification of Anion and Cation Pathways in the Inner Mitochondrial Membrane by Patch Clamping of Mouse Liver Mitoplasts . . . 151
Argent, B.E., *see* Pollard, C.E., et al. . . . 275
Avenet, P., Lindemann, B.: Noninvasive Recording of Receptor Cell Action Potentials and Sustained Currents from Single Taste Buds Maintained in the Tongue: The Response to Mucosal NaCl and Amiloride . . 33
Blatt, M.R.: Ion Channel Gating in Plants: Physiological Implications and Integration for Stomatal Function (*topical review*) . . . 95
Broillet, M.-C., Horisberger, J.-D.: Basolateral Membrane Potassium Conductance of A6 Cells . . . 1
Coleman, L., *see* Pollard, C.E., et al. . . . 275
Cooper, K.E., *see* O'Grady, S.M., et al. . . . 159
Donaldson, P.J., *see* Shen, L., et al. . . . 21
Faelli, A., *see* Orsenigo, M.N., et al. . . . 13
Forgo, J., *see* Reshkin, S.J., et al. . . . 227
Girsch, S.J., *see* Shen, L., et al. . . . 21
Goldberg, A.F.X., Miller, C.: Solubilization and Functional Reconstitution of a Chloride Channel from *Torpedo* Electroplax . . . 199
Gradmann, D., *see* Mummert, H. . . . 255
Gradmann, D., *see* Mummert, H. . . . 265
Harris, A., *see* Pollard, C.E., et al. . . . 275
Hashimoto, A., *see* Kotera, T., et al. . . . 43
Hilden, S.A., Madias, N.E.: Effect of Sulfhydryl Compounds on ATP-Stimulated H^+ Transport and Cl^- Uptake in Rabbit Renal Cortical Endosomes . . . 139
Horisberger, J.-D., *see* Broillet, M.-C. . . . 1
Hotz-Wagenblatt, A., *see* Mehta, P.P., et al. . . . 207
Kase, H., *see* Wakui, M., et al. . . . 179
Kinnally, K.W., *see* Antonenko, Y.N., et al. . . . 151
Kotera, T., Hashimoto, A., Ueda, S., Okada, Y.: Whole-Cell K^+ Current Activation in Response to Voltages and Carbachol in Gastric Parietal Cells Isolated from Guinea Pig . . . 43
Kuryshev, Yu.A., *see* Mozhayeva, G.N., et al. . . . 113
Lindemann, B., *see* Avenet, P. . . . 33
Loewenstein, W.R., *see* Mehta, P.P., et al. . . . 207
Lyu, R.-M., Smith, L., Smith, J.B.: Sodium-Calcium Exchange in Renal Epithelial Cells: Dependence on Cell Sodium and Competitive Inhibition by Magnesium 73
Madias, N.E., *see* Hilden, S.A. . . . 139
Marty, A.: Calcium Release and Internal Calcium Regulation in Acinar Cells of Exocrine Glands (*topical review*) 189
McBride, D.W., Jr., Roper, S.D.: Ca^{2+}-Dependent Chloride Conductance in *Necturus* Taste Cells . . . 85
Mehta, P.P., Hotz-Wagenblatt, A., Rose, B., Shalloway, D., Loewenstein, W.R.: Incorporation of the Gene for a Cell-Cell Channel Protein into Transformed Cells Leads to Normalization of Growth . . . 207
Miller, C., *see* Goldberg, A.F.X. . . . 199
Misler, S., *see* Pressel, D.M. . . . 239
Mozhayeva, G.N., Naumov, A.P., Kuryshev, Yu.A.: Variety of Ca^{2+}-Permeable Channels in Human Carcinoma A431 Cells . . . 113
Mummert, H., Gradmann, D.: Action Potentials in *Acetabularia:* Measurement and Simulation of Voltage-Gated Fluxes . . . 265
Mummert, H., Gradmann, D.: Ion Fluxes in *Acetabularia:* Vesicular Shuttle . . . 255
Murer, H., *see* Reshkin, S.J., et al. . . . 227
Naumov, A.P., *see* Mozhayeva, G.N., et al. . . . 113
Nelson, D.J., *see* Soliven, B., et al. . . . 127
Nomura, K., Sokabe, M.: Anion Channels from Rat Brain Synaptosomal Membranes Incorporated into Planar Bilayers . . . 53
O'Grady, S.M., Cooper, K.E., Rae, J.L.: Cyclic GMP Regulation of a Voltage-Activated K Channel in Dissociated Enterocytes . . . 159
Okada, Y., *see* Kotera, T., et al. . . . 43
Orsenigo, M.N., Tosco, M., Faelli, A.: Cl/HCO_3 Exchange in the Basolateral Membrane Domain of Rat Jejunal Enterocyte . . . 13
Peracchia, C., *see* Shen, L., et al. . . . 21
Petersen, O.H., *see* Thorn, P. . . . 63
Petersen, O.H., *see* Wakui, M., et al. . . . 179
Pierce, S.K., *see* Politis, A.D. . . . 169
Politis, A.D., Pierce, S.K.: Specific Protein Phosphorylation Occurs in Molluscan Red Blood Cell Ghosts in Response to Hypoosmotic Stress . . . 169
Pollard, C.E., Harris, A., Coleman, L., Argent, B.E.: Chloride Channels on Epithelial Cells Cultured from Human Fetal Epididymis . . . 275
Pressel, D.M., Misler, S.: Role of Voltage-Dependent Ionic Currents in Coupling Glucose Stimulation to Insulin Secretion in Canine Pancreatic Islet B-Cells . . 239
Rae, J.L., *see* O'Grady, S.M., et al. . . . 159
Reshkin, S.J., Forgo, J., Murer, H.: Apical and Basolateral Effects of PTH in OK Cells: Transport Inhibition, Messenger Production, Effects of Pertussis Toxin, and Interaction with a PTH Analog . . . 227
Roper, S.D., *see* McBride, D.W. Jr. . . . 85
Rose, B., *see* Mehta, P.P., et al. . . . 207
Shalloway, D., *see* Mehta, P.P., et al. . . . 207
Shen, L., Shrager, P., Girsch, S.J., Donaldson, P.J., Peracchia, C.: Channel Reconstitution in Liposomes and Planar Bilayers with HPLC-Purified MIP26 of Bovine Lens . . . 21
Shrager, P., *see* Shen, L., et al. . . . 21
Smith, J.B., *see* Lyu, R.-M., et al. . . . 73
Smith, L., *see* Lyu, R.-M., et al. . . . 73
Sokabe, M., *see* Nomura, K. . . . 53
Soliven, B., Szuchet, S., Nelson, D.J.: Tumor Necrosis Factor Inhibits K^+ Current Expression in Cultured Oligodendrocytes . . . 127
Szuchet, S., *see* Soliven, B., et al. . . . 127
Tedeschi, H., *see* Antonenko, Y.N., et al. . . . 151
Thorn, P., Petersen, O.H.: Activation of Voltage-Sensitive Ca^{2+} Currents by Vasopressin in an Insulin-Secreting Cell Line . . . 63
Tosco, M., *see* Orsenigo, M.N., et al. . . . 13
Ueda, S., *see* Kotera, T., et al. . . . 43
Wakui, M., Kase, H., Petersen, O.H.: Cytoplasmic Ca^{2+} Signals Evoked by Activation of Cholecystokinin Receptors: Ca^{2+}-Dependent Current Recording in Internally Perfused Pancreatic Acinar Cells . . . 179

Covered in *Current Contents, SCI, ASCA* and *ISI BIOMED*